

**DAVIE WATER AND ENVIRONMENTAL
ADVISORY BOARD
FEBRUARY 18, 2003
5:30 P.M.**

1. ROLL CALL

The meeting was called to order at 5:42 p.m. Board members present were Chair Michael Crowley, Vice-Chair Tom Green, Gail Ling, Barry Mowell and Gary Gaffney (arrived at 5:40 p.m.). Also present were Utilities Director Daniel Colabella and Board Secretary Jenevia Edwards recording the meeting. Wayne Arnold, Jeffrey Harrod, Daniel Lavrich, Ronald Phillips and Don Zane were absent.

2. SELECTION OF SECRETARY

Vice-Chair Green made a motion, seconded by Mr. Gaffney, to nominate Mr. Mowell, as secretary. As there were no other nominations, the nominations were closed. In a voice vote, with Messrs. Arnold, Harrod, Lavrich, Phillips and Zane being absent, all voted in favor. **(Motion carried 5-0)**

3. APPROVAL OF MINUTES: October 15, 2002

Mr. Gaffney made a motion, seconded by Ms. Ling, to approve the minutes of October 15, 2002. In a voice vote, with Messrs. Arnold, Harrod, Lavrich, Phillips and Zane being absent, all voted in favor. **(Motion carried 5-0)**

4. PRESENTATION

4.2 Drainage Systems – Larry Peters, Town Engineer

Mr. Gaffney inquired about the progress of Phase Three of the 117th Avenue project. Mr. Peters reported that the information pertaining to the project was not available; however, he was willing to make another presentation at the next meeting, by which time he hoped to have the information.

Inquiries were made regarding the Phase Two project in Vista Filare and Mr. Peters identified problems acquiring easements as the reason why the project had not been completed. Ms. Ling advised that she could assist Mr. Peters in acquiring the necessary easements in Vista Filare in order to complete the project.

4.1 State Revolving Fund Loan Program - Karl Kennedy, P.E., Calvin, Giordano & Assoc.

Mr. Kennedy indicated that the formulation of the facilities plan was to determine what was needed in the Town with respect to water, sewer and drainage facilities. He explained that the plan had been submitted to the Department of Environmental Protection to inform them of the Town's plan and that funds were needed. Mr. Kennedy added that the plan was used to identify resources and resource needs, capital needs, policy needs and to set a direction.

Mr. Kennedy explained the Strategic Planning Focus and identified the utility service area. He spoke of the Town's current water system and the two water treatment plants, the Davie Road location which had a 3.4 million gallon per day lime softening water treatment plant, and the 76th Avenue location which had a 4 million gallon per day lime softening water treatment plant.

Mr. Kennedy reported that problems with the future water quality, raw water supply degradation and Tdm regulations were due to the age and condition of Plant One, which was

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built in 1958. He explained that although the plant was expanded in 1962, it was still in poor condition. Mr. Kennedy referred to Davie's water use record, adding that with the increase in water usage the projected increase would be approximately five million gallons on an average day and eight million gallons on peak days.

Mr. Kennedy discussed the Environmental Protection Agency regulations on components in drinking water and explained the steps that the Town would need to take to meet those regulations. He explained the different rehabilitation options for each water treatment plant and the cost involved. Mr. Kennedy explained that the life expectancy of these materials was 15 years and deterioration over time would cause a decrease in water pressure in many areas within the Town. He added that an aggressive pipe replacement program had been undertaken in many areas, particularly in eastern communities. Mr. Kennedy explained that the current water distribution system created pressure limitations in some areas, a decrease in fire flow protection and a lack of storage limits for commercial development particularly in the downtown and university areas.

Mr. Kennedy discussed the various water distribution options that could be undertaken, adding that with an increase in the system pressure, there would be increased water pressure in homes and better fire protection.

Mr. Kennedy cited the Town's wastewater treatment system, adding that the system appeared to be in good condition; however, some of the present lift stations were old and would need to be rehabilitated. He added that the wastewater effluent from the plant was good and was one of the best in Broward County. In a brief discussion, Dr. Frederick Bloetscher, President, Public Utility Management and Planning Services, Inc. explained the treatment of the wastewater effluent and the agreement between the City of Hollywood, the City of Cooper City and the Town.

Mr. Kennedy discussed treatment plant flow versus rainfall indicating that when there was heavy rainfall, there was an increase in flow to the Town's wastewater plant which created an inflow and infiltration problems. He added that correcting this problem would increase the treatment capacity which would delay the building of a new treatment plant. Mr. Kennedy pointed out the recommendations for the correction of the infiltration and inflow problem. Strategies to upgrade the operation and efficiency of the utility systems were outlined.

Mr. Kennedy indicated that in order for the Town to accomplish all the strategies mentioned, it would need to utilize the State Revolving Fund Loans established in 1989 to assist cities by providing low interest loans for infrastructure improvements. He explained that the loan funds allowed for design, construction, planning, administrative costs and construction services. Mr. Kennedy commented that a resolution would need to be adopted to approve the facilities plan and strategic planning goals.

Vice-Chair Green asked if there was any action needed from the Board to urge Council's decision on the adoption of a resolution. Mr. Colabella indicated that the Board's help would be needed only if the recommendations were rejected by Council.

5. OLD BUSINESS

There was no old business to discuss.

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6. NEW BUSINESS

There was no new business to discuss

7. COMMENTS AND/OR SUGGESTIONS

Mr. Peters commented that developers throughout the Town were forced to install water and sewer systems that were turned over to the City of Sunrise if they were not within the Town. He added that the Town of Southwest Ranches did not turn its water and sewer system over to Sunrise, and questioned the outcome if the Town anticipated taking over more areas. A lengthy discussion ensued regarding the agreement between the Town and Sunrise as well as the lawsuit. Mr. Colabella indicated that no changes could be made until 2006. Mr. Gaffney indicated that he did not believe there was enough effort being made legally to abrogate the agreements.

8. ADJOURNMENT

There being no further business to discuss and no objections, the meeting adjourned at 6:35 p.m.

Date Approved

Chair/Board Member